VeriKine-HS Human Interferon Alpha All Subtype TCM ELISA Kit

PBL's VeriKine-HS Human Interferon Alpha All Subtype TCM ELISA Kit is specifically formulated to detect all human IFN-Alpha subtypes. This kit quantitates all human IFN alpha subtypes in tissue culture media (TCM) using a sandwich immunoassay format. The kit is based on an ELISA with biotinylated-detection antibody and streptavidin-conjugated horseradish peroxidase (HRP). Tetramethyl-benzidine (TMB) is the substrate. The assay is based on the international reference standard for human interferon alpha provided by the National Institutes of Health.

Citations: 5 View Online »

Ordering Information

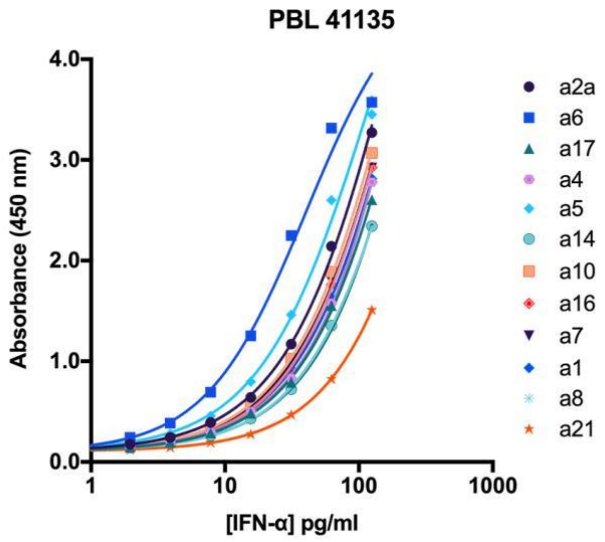
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PBL-41135-1	96 wells

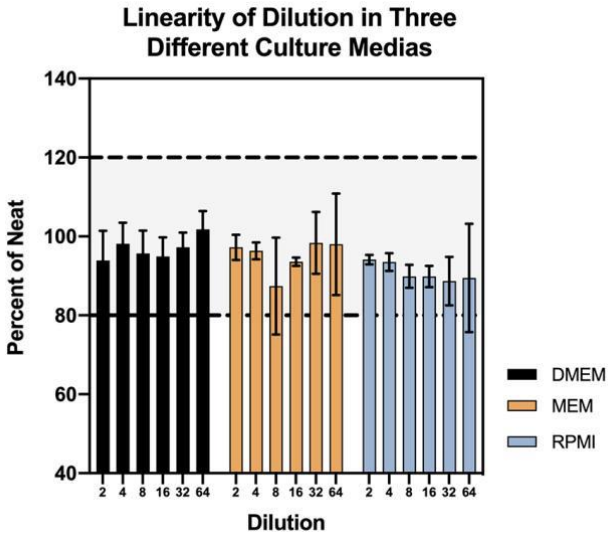
Manuals, SDS & CofA

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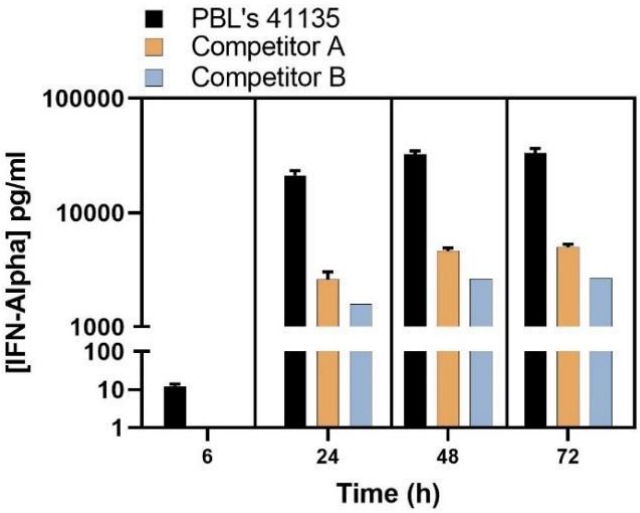
- Highly sensitive ELISA for global IFN alpha detection in tissue culture media (TCM)
- Low pg/ml detection of ALL human IFN-α subtypes
- Reproducible results with < 10% inter- and < 8% intra-assay CVs



Typical Human IFN-Alpha Subtype standard curves



Comparison of Endogenous Levels of IFN-Alpha quantified in Sendai Virus infected U937 Cells



Linearity of Dilution of Three Different Culture Medias

Handling & Storage

Long Term Storage	+4°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	IFN-α, Interferon-α
Application	ELISA
Application Notes	Quantitative determination of Hu-IFN alpha A, 2, A/D, B2, C, D, G, H, I, J1, K, 1, 4b and WA in tissue culture media
Assay Time	20 hours 30 minutes – 24 hours 30 minutes
Contents	Pre-coated microtiter plate, Plate Sealers, Wash Solution Concentrate, Human Interferon Alpha Standard, 10,000 pg/ml, Assay Buffer, Standard Diluent, Antibody Diluent, Antibody Concentrate, HRP Conjugate Concentrate, HRP Diluent, TMB Substrate Solution, Stop Solution
Crossreactivity	Cross-reacts with Cynomolgus/Rhesus IFN-α (13%). No cross-reactivity against human IFN-β, IFN-γ, or IFN-ω; mouse or rat IFN-α, IFN-β or IFN-γ; pig IFN-α; or bovine IFN-τ.
Sensitivity	1.95 – 125 pg/ml
Species Reactivity	Human

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